

CERTIFICATE OF MAILING

13 Rec'd PCT/PTO 16 OCT 2006

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Andrea Deleccchi  
Type or print name

Andrea Deleccchi  
Signature

10/12/06  
Date

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE PCT NATIONAL STAGE APPLICATION OF  
JONATHAN HUGHES ET AL.

Group Art Unit:  
Examiner:

INTERNATIONAL APPLICATION NO. PCT/EP 05/000519

FILED: January 20, 2005

FOR: PRODUCTION OF A FERMENTATION  
PRODUCT

U.S. APPLICATION NO: 10/587,582

35 USC 371 DATE: JULY 28, 2006

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 CFR 1.56, Applicants wish to call the Examiner's attention to the references cited on the attached form PTO-1449. A copy of the International Search Report was supplied, when this application entered the U.S. national phase.

US 2006/057264 is a substantively cumulative English language counterpart of WO 2004/015121.

Copies of the non-U.S. references (that do not have U.S. equivalents) and/or English language abstracts thereof and any articles/journals are enclosed herewith along with a copy of a Great Britain Search Report.

The Examiner is requested to consider the foregoing information in relation to this application and indicate that each reference was considered by returning a copy of the initialed PTO 1449 form(s).

Respectfully submitted,

Shiela A. Loggins

Shiela A. Loggins  
Agent for Applicants  
Reg. No. 56,221

Ciba Specialty Chemicals Corporation  
Patent Department  
540 White Plains Road  
P.O. Box 2005  
Tarrytown, NY 10591-9005  
(914) 785-2768  
PTO 1449 form (8 refs & 1. S. Report)

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /PAH/

<b>FORM PTO-1449</b>  <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  (Use several sheets if necessary)	Docket Number (Optional) <b>WW/3-22353/A/PCT</b>	Application Number <b>10/587,582</b>
	Applicant <b>JONATHAN HUGHES ET AL.</b>	
	Filing Date <b>JULY 28, 2006</b>	Group Art Unit

### U. S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	6,217,778	4/01	Shing et al.	210	708	
	6,258,279	7/01	Shah et al.	210	734	
	5,681,480	10/97	Langley et al.	210	727	
	6,071,379	6/00	Wong Shing et al.	162	168.2	
	5,209,854	5/93	Reed et al.	210	734	
	6,031,037	2/00	Ghafoor et al.	524	388	
	2006/057264	3/06	Hughes et al.	426	495	
	6,372,805	4/02	Keiser et al.	516	79	
	4,753,710	6/88	Langley et al.	162	164.3	
	4,961,825	10/90	Andersson et al.	162	175	
	4,528,321	7/85	Allen et al.	524	761	

### FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
	2004/051521	2/04	PCT/World			U.S. =	
	0 335 575	10/89	Europe				

### OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

	A. Wilkie et al.; Biomass & Bioenergy, Vol. 19 (2000) pp. 63-102
	National Renewable Energy Laboratory Report, July 1999, NREL/TP-580-26157
	National Renewable Energy Laboratory Report, March 2001, 99-10600/14
EXAMINER	DATE CONSIDERED
/Peter Hruskoci/	03/12/2008

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /PAH/

FORM PTO-1449

INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

(Use several sheets if necessary)

Docket Number (Optional)

WW/3-22353/A/PCT

Application Number

10/587,582

Applicant

JONATHAN HUGHES ET AL.

Filing Date

JULY 28, 2006

Group Art Unit

## U. S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,506,062	3/85	Flesher et al.	526	211	
	4,599,379	7/86	Flesher et al.	524	801	
	4,720,346	1/88	Flesher et al.	210	734	
	4,973,842	11/90	Gruen et al.	250	309	
	4,952,503	8/90	Granstedt	435	161	
	4,384,897	5/83	Brink	127	37	
	5,552,316	9/96	Savage	435	261	
	4,728,613	3/88	Brewer et al.	435	222	
	4,650,689	3/87	Hedrick	426	600	
	5,975,439	11/99	Chieffalo et al.	241	17	
	4,388,150	6/83	Sunden et al.	162	175	

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER

/Peter Hruskoci/

DATE CONSIDERED

03/12/2008

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP §609; Draw line through

citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /PAH/

FORM PTO-1449

INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

(Use several sheets if necessary)

Docket Number (Optional)

WW/3-22353/A/PCT

Application Number

10/587,582

Applicant

JONATHAN HUGHES ET AL.

Filing Date

JULY 28. 2006

Group Art Unit

## U. S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,482,693	1/96	Rushmere et al.	423	328.1	
	5,176,891	1/93	Rushmere	423	328.1	

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER

/Peter Hruskoci/

DATE CONSIDERED

03/12/2008

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP §609; Draw line through

citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

~~ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /PAH/~~